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 A selectable prioritization method for a data communication switch, comprising the steps of:

receiving a plurality of packets including respective first priorities on a first port; *

generating respective second priorities as a function of the respective first priorities;

prioritizing selected ones of the plurality of packets as a function of respective ones of the second priorities; and

transmitting the plurality of packets including the respective second priorities on a second port.

- The method according to claim 1, wherein the plurality of packets have respective source addresses and the ones of packets prioritized as a function of respective ones of the second priorities are selected as a function of respective ones of the source addresses.
- 3. The method according to claim 1, wherein the plurality of packets have respective destination addresses and the ones of packets not prioritized as a function of respective ones of the second priorities are prioritized as a function of respective ones of the destination addresses.
- The method according to claim 1, wherein the respective first priorities are inbound 802.1Q tag priorities.
 - 5. The method according to claim 1, wherein the respective second priorities are regenerated 802.1Q tag priorities.

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A selectable prioritization method for a data communication switch, comprising the steps of

receiving a packet;

determining a first priority for the packet;
determining whether to mark the packet; and
prioritizing the packet or not in accordance with the first priority as a
function of whether the packet is marked or not.

- 7. The method according to claim 6, further comprising the step of:

 prioritizing the packet or not in accordance with a second priority as a function of whether the packet is marked or not.
- 8. The method according to claim 6, wherein the first priority determination is made as a function of a first value in the packet and the marking determination is made as a function of a second value in the packet, wherein the first and second values are different.
- 9. The method according to claim 6, wherein the first priority is instantiated in the packet upon transmission from the switch.
- 10. The method according to claim 6, wherein the mark, if any, is a single bit.
- 11. The method according to claim 6, wherein the mark, if any, is removed from the packet prior to transmission from the switch.
- 12. The method according to claim 6, wherein prioritization includes applying the packet to a queue determined as a function of the first priority.

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- 13. The method according to claim 7, wherein prioritization includes applying the packet to a queue determined as a function of the second priority.
- 14. The method according to claim 8, wherein a second priority is determined as a function of a third value in the packet, wherein the first and second and third values are different.
- 15. The method according to claim 8, wherein the first value is a tag priority.
- 16. The method according to claim 8, wherein the second value is a source address.
- 17. The method according to claim 13, wherein the third value is a destination address.

A data communication\switch, comprising:

a first network interface for receiving a packet from a first network, for determining a first priority for the packet, for determining whether or not to mark the packet and for transmitting the packet; and

a second network interface coupled to the first network interface for receiving the packet, for prioritizing the packet or not in accordance with the first priority as a function of whether the packet is marked or not and for transmitting the packet to a second network.

- 19. The switch according to claim 18, wherein the second network interface is operative for prioritizing the packet or not in accordance with a second priority as a function of whether the packet is marked or not.
- 20. The switch according to claim 18, wherein the first network interface is operative for determining the first priority as a function of a first value in

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the packet and is operative for determining whether or not to mark the packet as a function of a second value in the packet, wherein the first and second values are different.

- 21. The switch according to claim 20, wherein the second network interface is operative for determining a second priority as a function of a third value in the packet, wherein the first and second and third values are different.
- 22. The switch according to claim 18, wherein the mark, if any, is a single bit.
- 23. The switch according to claim 18, wherein the mark, if any, is removed from the packet prior to transmitting the packet to the second network.
- 10 24. The method according to claim 20, wherein the first value is a tag priority.
 - 25. The method according to claim 20, wherein the second value is a source address.
 - 26. The method according to claim 21, wherein the third value is a destination address. $\sim 1 \mathring{\Lambda}$